AMC-ANT-MHJ-1401F

MARUWA multi-band GNSS L1/L2 antenna (B1, L1, E1, G1, L2)

Features

- Bands: B1, L1, E1, G1, L2
- Frequencies: 1227.60MHz, 1575.42MHz
- Negligible de-tuning in cluttered, dielectric loaded environments (hand-held, body-worn, close proximity to objects)
- Filters against interference from cellular and ISM bands

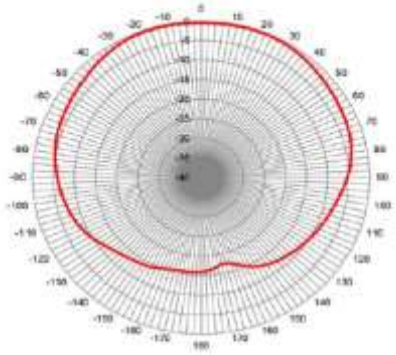
The AMC-ANT-MHJ-1401F multi-band GNSS active antenna from MARUWA uses Sarantel's distinctive technology to provide unrivalled circularly-polarised gain from a uniquely small volume. It enables excellent performance in tightly integrated devices that require good positional accuracy. By combining a high quality dielectric antenna with a high performance low-noise amplifier, the AMC-ANT-MHJ-1401F active antenna provides an excellent solution for applications needing active gain input.

Suggested Applications

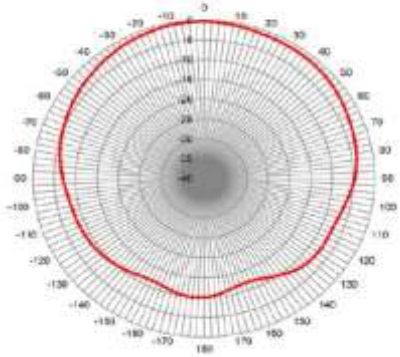
- Asset tracking
- Handheld devices
- UAV/AUV
- Vehicles
- Emergency location
- Seismic monitoring/measuring
- Wildlife tracking
- Marine tracking

(in mm)

Parameter	Specications	Units
Cover Band	B1, L1, E1, G1, L2	-
Gain (Passive)	0 (@1575.42MHz)	dBic (Typ)
	-2 (@1227.60MHz)	dBic (Typ)
Gain (Active)	30 (@1575.42MHz)	dBic (Typ)
	27 (@1227.60MHz)	dBic (Typ)
Voltage	2.7→ 5.5	V
Current	28	mA (Typ)
Beamwidth	135 (@1575.42MHz)	Degrees (Typ)
	115 (@1227.60MHz)	Degrees (Typ)
Axial Ratio	<3.0	dB (at zenith)
VSWR	<2.0	-
Impedance	50	Ohms
Noise figure	2.8	dB
Waterproof	IP67	-
Operating Temp	-40→+85	°C
Weight	29	grams



L1:@1575.42MHz



L2:@1227.6MHz